

~~TOP SECRET~~

NPIC/R-893/64

October 1964

TCS-8436/64

Copy **106**

6 Pages

PHOTOGRAPHIC INTERPRETATION REPORT

KUYBYSHEV AIRCRAFT ENGINE PLANT NO 24 KUYBYSHEV, USSR



CIA



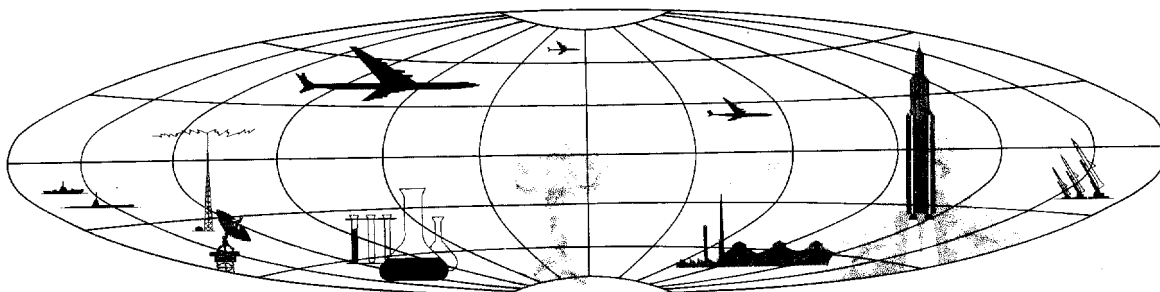
DIA

Handle Via **TALENT - KEYHOLE** Control Only

WARNING

This document contains classified information affecting the national security of the United States within the meaning of the espionage laws U. S. Code Title 18, Sections 793 and 794. The law prohibits its transmission or the revelation of its contents in any manner to an unauthorized person, as well as its use in any manner prejudicial to the safety or interest of the United States or for the benefit of any foreign government to the detriment of the United States. It is to be seen only by personnel especially indoctrinated and authorized to receive TALENT-KEYHOLE information. Its security must be maintained in accordance with KEYHOLE and TALENT regulations.

NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER



~~TOP SECRET~~

Handle Via
TALENT-KEYHOLE
Control System Only

TCS-8436/64
NPIC/R-893/64

KUYBYSHEV AIRCRAFT ENGINE PLANT NO 24

KUYBYSHEV, USSR

25X1D 25X1D

25X1D 25X1D

25X1D

25X1D

25X1D

25X1D

25X1D

25X1D

25X1D

25X1D

25X1D

25X1D

25X1D

25X1D

25X1D

25X1D

25X1D

25X1D

Kuybyshev Aircraft Engine Plant No 24 (43-12-███N 50-15-███E; ██████) is located 4 nautical miles (nm) east of Kuybyshev in the suburban city of Bezmyanka, USSR (Figure 1). The plant is served by a rail spur of the Moscow-Ryazan-Omsk rail line which gives it direct access to Kuybyshev Airframe Plants No 1 (██████) and No 18 (BE ██████). These plants are located approximately 0.8 nm northeast of Plant No 24 and are closely associated with it. Components of Aircraft Engine Plant No 24 are shown in Figures 2 and 3; item numbers are keyed to Figure 3 and Table 1.

The earliest available photography of Plant No 24 was obtained by the Germans ██████.

A comparison of this with ██████ TALENT photography revealed that many of the buildings observed during World War II were still present in ██████. However, several additions and modifications were discernible, including construction work on eight engine test-cell buildings adjacent to the west side of the assembly building (item 17). A tall structure in the area now covered by a fabrication/assembly building (item 20) was visible on photography of ██████ and was thought to be a vertical test stand for rocket engines. If so, it was a small prototype test facility used during the developmental period of rocket engine technology and was replaced by the Kurumock Test Facility when it came into use in the early ██████.

The ██████ photography also revealed initial preparations for the construction of buildings later identified as a workshop (item 18) and the large fabrication/assembly building (item 20). The progressive stages of this construction were observed on photography from ██████ to ██████. The fabrication/assembly building (item 20) was constructed in an L shape around the suspect engine test facility that had been observed in ██████. Further modifications were made on the test-cell buildings (item 17); three of the test-cell buildings were extended in length, and covers were placed on the air-exhaust stack next to the assembly building on each of these three test-cell buildings. The next photography which permitted analysis was in ██████ and by that time construction of the fabrication/assembly building (item 20) had been completed in a rectangular shape, with a final section occupying the site of the suspect test facility which was last seen in ██████.

Photography of ██████

revealed several changes since ██████. A new possible machine shop/workshop (item 21) was under construction, and two warehouses had been added (items 13 and 14). Modification of the test-cell buildings was continuing. On photography of ██████ covers were discernible on the exhaust stacks of five of the test-cell buildings. Four of these buildings had been extended from 185 to 230 feet, and

25X1D

Handle Via
TALENT-KEYHOLE
Control System Only

TOP SECRET CHESSE RUFF

Approved For Release 2001/08/21 : CIA-RDP78B04560A002900010018-8

TCS-8436/64
NPIC/R-893/64

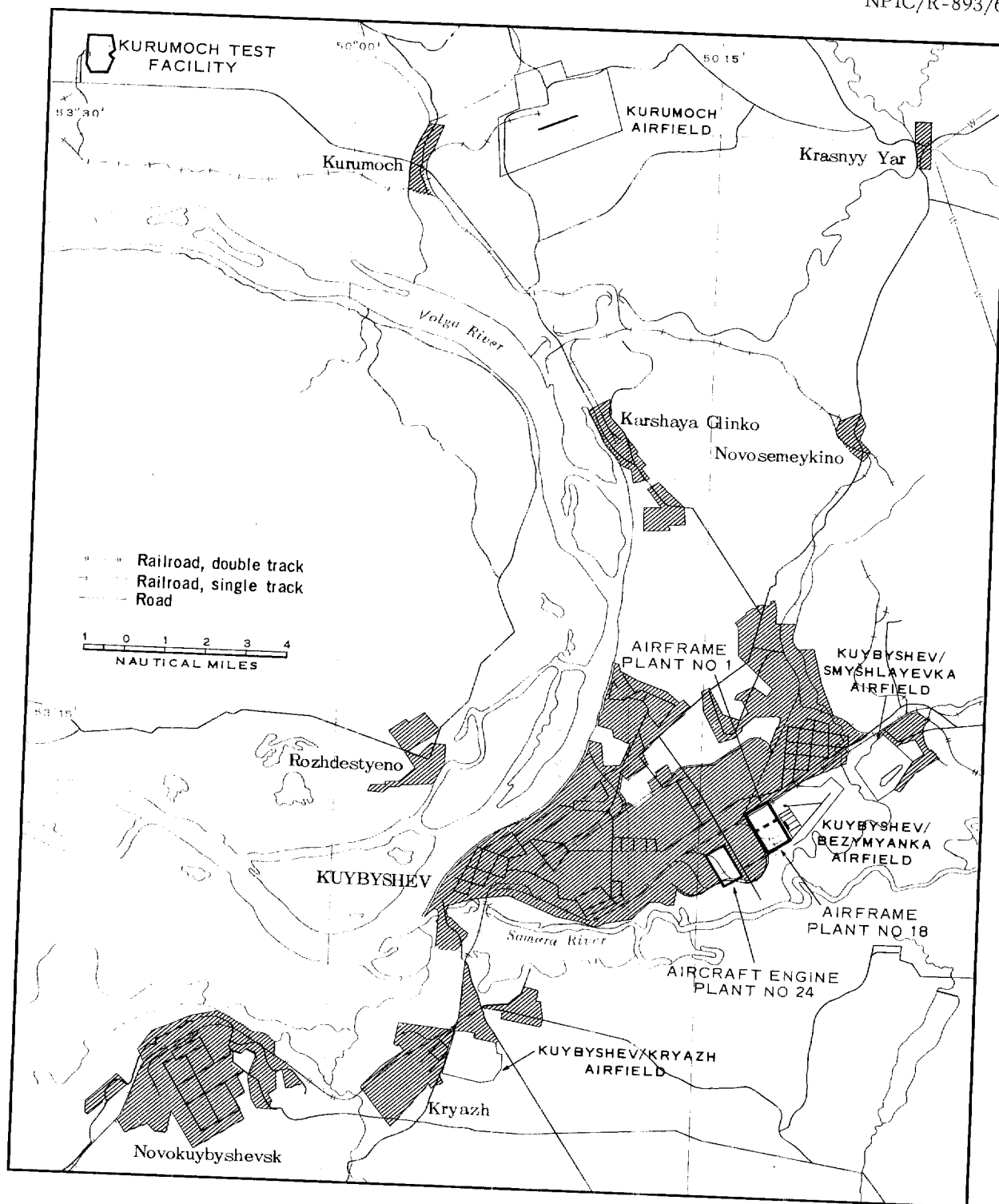


FIGURE 1. LOCATION MAP.

NPIC J-4549 (10/64)

Approved For Release 2001/08/21 : CIA-RDP78B04560A002900010018-8

TOP SECRET CHESSE RUFF

Handle Via
TALENT-KEYHOLE
Control System Only

Handle Via
TALENT-KEYHOLE
Control System Only

TCS-8436/64
NPIC/R-893/64

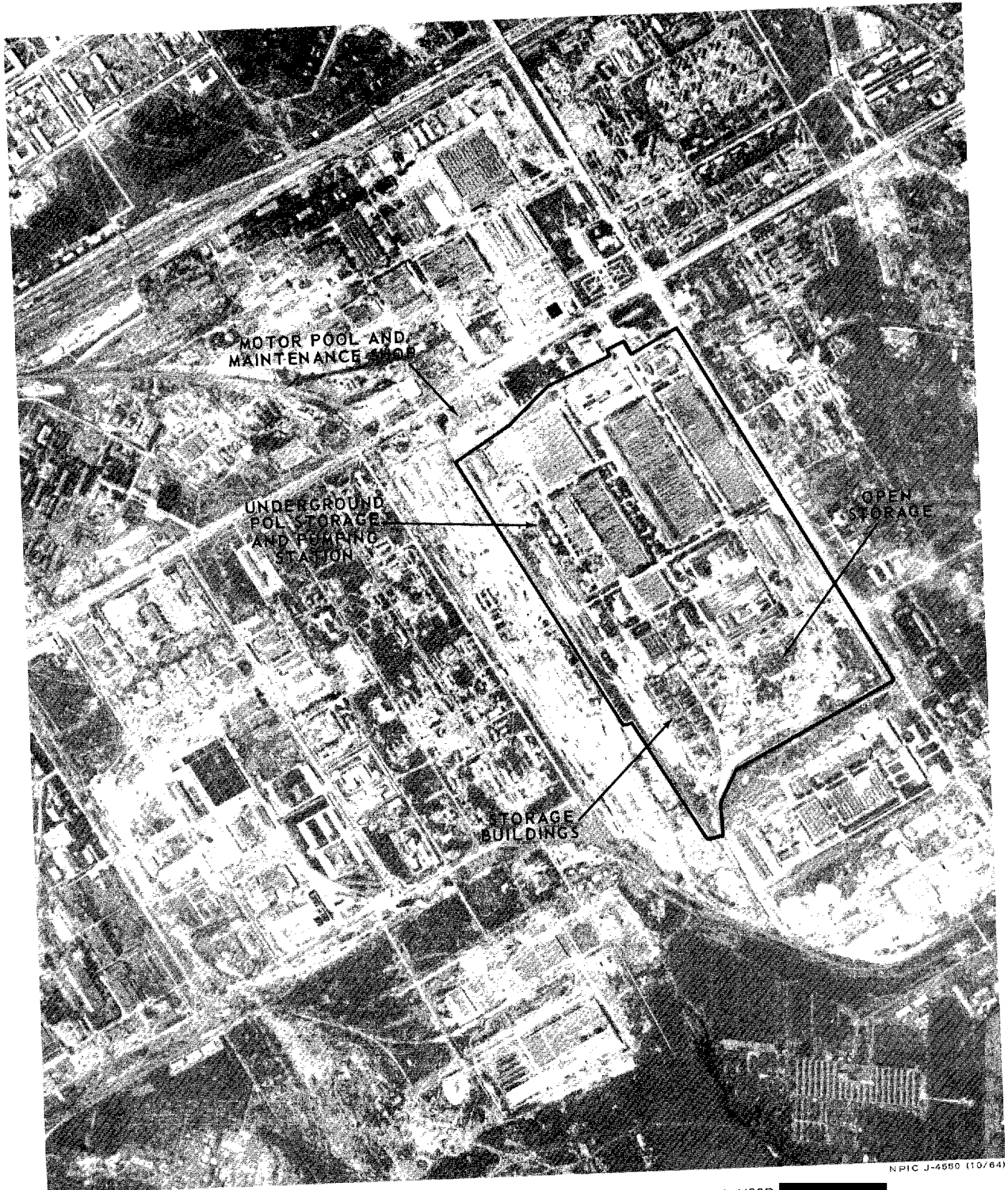


FIGURE 2. KUYBYSHEV AIRCRAFT ENGINE PLANT NO 24, KUYBYSHEV, USSR, [REDACTED]

25X1D

Handle Via
TALENT-KEYHOLE
Control System Only

Handle Via
TALENT-KEYHOLE
Control System Only

TOP SECRET CHESS RUFF
Approved For Release 2001/08/21 : CIA-RDP78B04560A002900010018-8

TCS-8436/64
NPIC/R-893/64

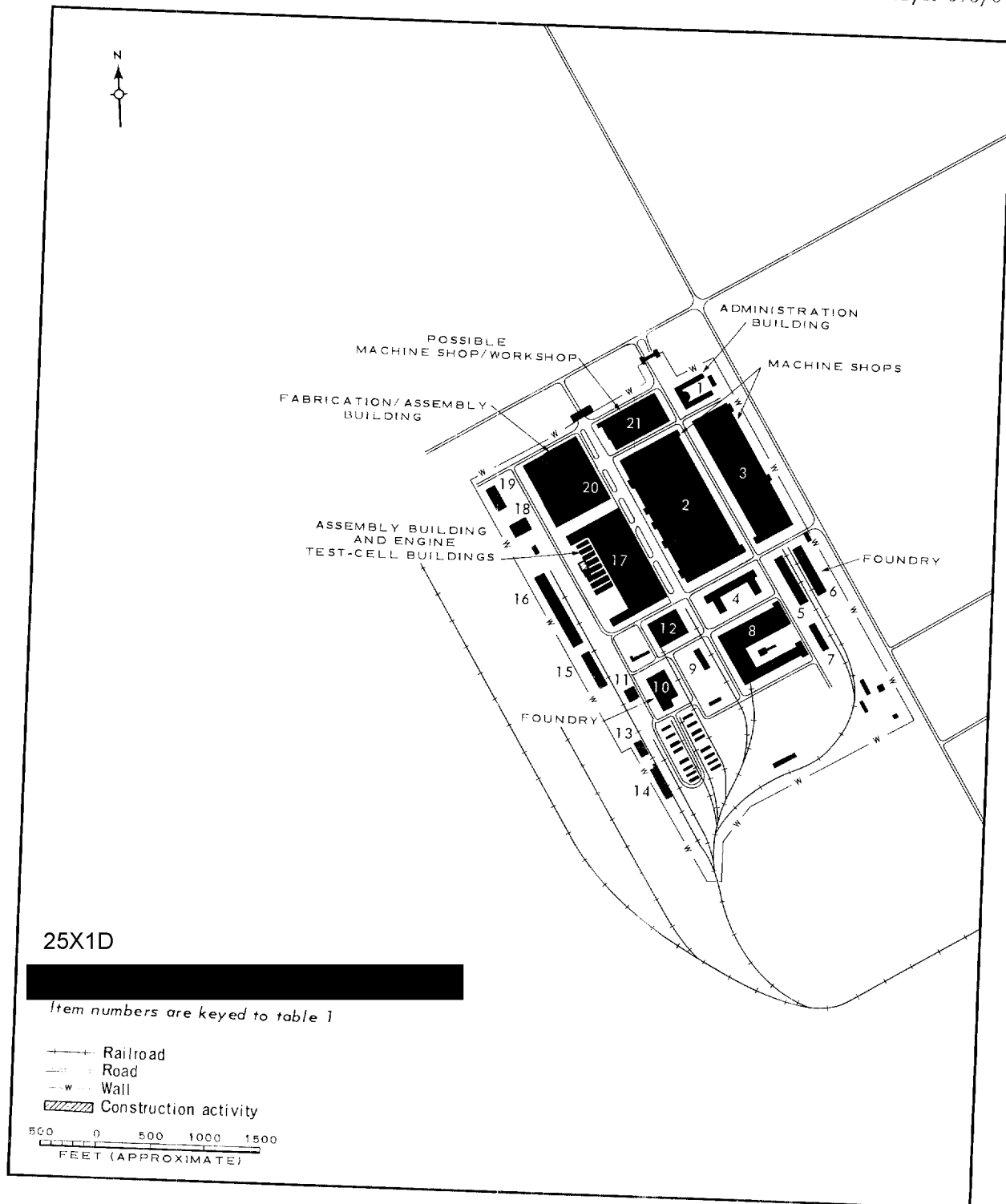


FIGURE 3. KUYBYSHEV AIRCRAFT ENGINE PLANT NO 24.

NPIC J-4551 (110/64)

Handle Via
 TALENT-KEYHOLE
 Control System Only

TCS-8436/64
 NPIC/R-893/64

construction activity was perceptible on the fifth building. The construction pattern has consisted of lengthening the test-cell buildings concurrent with covering the exhaust stacks. This lengthening and covering of cells may signify a new type or design of test-cell building for a new and larger jet or turboprop engine that may be going into production at the plant.

Kuybyshev Aircraft Engine Plant No 24 consists of a walled area, approximately 3,700 by 2,970 feet, containing 21 major buildings and

approximately 26 minor structures. The major buildings have a total roof coverage of 3,181,450 square feet; this includes roof coverage of the large fabrication/assembly building (item 20; 336,300 square feet), the assembly building with adjacent test-cell buildings (item 17; 504,550 square feet), two large machine shops (items 2 and 3; 759,800 and 455,000 square feet), a new possible machine shop/workshop (item 21; 196,150 square feet), and several small non-production buildings.

*Table 1. Components of Kuybyshev Aircraft Engine Plant No 24
 (Item numbers are keyed to Figure 3)*

Item	Description	Dimensions (ft)	Roof Coverage (sq ft)
1	Administration building, U-shaped, multistory	Irregular	40,800
2	Subassembly building/machine shop	1,310 x 580	759,800
3	Machine shop/workshop	1,300 x 350	455,000
4	Workshop, U-shaped	Irregular	66,000
5	Warehouse	515 x 105	54,075
6	Foundry	515 x 105	54,075
7	Warehouse	300 x 80	24,000
8	Machine shop/workshop, U-shaped	Irregular	276,700
9	Forge/foundry	260 x 50	13,000
10	Foundry	330 x 200	66,000
11	Unidentified building	115 x 105	12,075
12	Machine shop/workshop	330 x 295	97,350
13	Warehouse	185 x 100	18,500
14	Warehouse	345 x 90	31,050
15	Workshop/warehouse	345 x 105	36,225
16	Old test-cell building, possibly being dismantled	730 x 100	73,000
17	Assembly building and engine test-cell buildings	Irregular	504,550
18	Workshop	230 x 160	36,800
19	Workshop	280 x 105	29,400
20	Fabrication/assembly building	590 x 570	336,300
21	Possible machine shop/workshop	Irregular	196,150

Handle Via
 TALENT-KEYHOLE
 Control System Only

Handle Via
TALENT-KEYHOLE
Control System Only

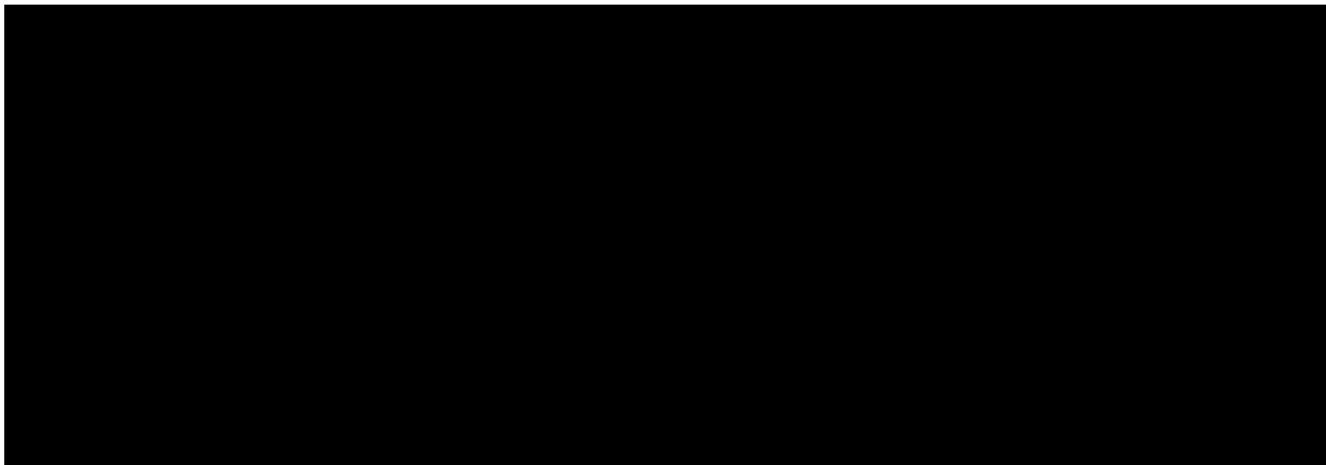
TOP SECRET CHESS RUFF
Approved For Release 2001/08/21 : CIA-RDP78B04560A002900010018-8

TCS-8436/64
NPIC/R-893/64

REFERENCES

25X1D

PHOTOGRAPHY



CHART

DIA. US Air Target Chart, Series 200, Sheet 0165-17HL, 4th ed, Dec 63, scale 1:200,000 (SECRET)

REQUIREMENT

CIA. C-RR 1-81, 679

NPIC PROJECT

N-863 '64 (partial answer)

TOP SECRET

Approved For Release 2001/08/21 : CIA-RDP78B04560A002900010018-8

Approved For Release 2001/08/21 : CIA-RDP78B04560A002900010018-8

TOP SECRET